

Amendments to the Claims:

Please cancel claims 2, 4, and 8, amend claims 1 and 3 and add new claim 9 as follows. The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended). A motor of an inner-rotor type driven by a direct-current power supply, comprising:

a stator including a stator core with a rotor through hole  
-5 in a central portion and a plurality of recesses open to the rotor through hole, and a plurality of field magnets which are attached to an inner periphery defining the rotor through hole and generate a magnetic field, each recess facing a magnet end portion of a field magnet and having a recess surface which is  
10 away from a surface of the magnet end portion and set back toward an outer periphery of the stator core from a rear surface of the magnet end portion;

a motor frame which supports the stator; and

a rotor passed through the rotor through hole and rotatably  
15 supported by the motor frame,

wherein the recess extends between magnet end portions of  
adjacent field magnets;

each of the field magnets is formed by injection molding  
20 synthetic resin, with which magnetic particles are mixed, to the  
inner periphery of the stator core; and

a thin film recess cover is integrally formed with and  
extends across the magnet end portions of the adjacent field  
magnets, the recess cover covering an inner surface of the  
25 recess.

Claim 2 (Cancelled).

Claim 3 (Currently Amended). The motor according to claim  
1, wherein the stator core is formed of a stack of a ~~number~~  
~~plurality of stamped~~ core plates and ~~each of the field magnets is~~  
~~formed by injection molding synthetic resin, with which magnetic~~  
5 ~~particles are mixed, to the inner periphery of the stator core.~~

Claim 4 (Cancelled).

Claim 5 (Original). The motor according to claim 1, wherein the stator core has grooves, which are continued to the inner periphery and into which projections integrally projected from rear surfaces of the field magnets are inserted.

Claim 6 (Original). The motor according to claim 5, wherein at least three grooves and projections are arranged at regular intervals.

Claim 7 (Original). The motor according to claim 1, wherein the stator core has a substantially rectangular outer shape, and the stator core has grooves, which are continued to the inner periphery and correspond to four corners of the stator core, and 5 into which projections integrally projected from rear surfaces of the field magnets are inserted.

Claim 8 (Cancelled).

Claim 9 (New). The motor according to claim 3, wherein the core plates comprise silicon steel plates.